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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Sasa Bajt

Attorney Docket: CIL-10782B

Serial No.: 10/066,108

Art Unit: 1775

Filed : February 1, 2002

Examiner: A. Turner

For : Optimized Capping Layers For EUV Multilayers

DECLARATION UNDER 37 CFR §1.132

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Dear Sir:

I, Sasa Bajt, hereby declare that I am a citizen of Slovenia and a resident of  
Livermore, California.

I have a PhD in physics from the University of Heidelberg, Germany.

I am a physicist with the University of California, Lawrence Livermore  
National Laboratory at Livermore, California.

I have worked in the X-ray imaging and optics field at Lawrence Livermore  
National Laboratory for 6 years.

I have read the office action and would like the examiner to consider my  
comments in response thereto.

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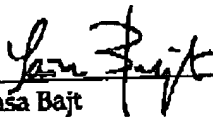
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The Examiner asserts that the apparatus of claim 1 can be made by prefabricating the coating then attaching it to the substrate via a layer. However, such a structure cannot be fabricated. Is not possible to prefabricate an overcoat bilayer for a multilayer reflective coating designed for use in extreme ultraviolet or soft x-ray applications and then attach it to the substrate.

The Examiner asserts that claims 1-23 are anticipated by Montcalm et al. (5,958,605); however, the reference uses a bilayer with a bottom layer of Si or Be on which is a top layer of an elemental compound that resists oxidation or corrosion. The bottom layers disclosed in the reference will not prevent interdiffusion.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Respectfully submitted,

  
Sasa Bajt

Dated: March 20, 2003